

0970158 0970158

0050/49100/49790

Fig. 1(1)

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0050/49100/49790

2/7

		Majority	
T E G S		340	350
101	Q L V P K S D A Y C T G D V T A W T K C M V K T Q T P N R K E W V T P K E F R E I S Y L K K L K V K K Q D R I F P P E	humanPARP1	360
88	K V G - - K A H V C F G N - -	humanPARP2	- - -
9	- - - - A P K P K P H V - -	humanPARP3	- - -
2	- - - - A P K R K A S V - -	murinePARP	- - -
		Majority	
161	T S A S V A A T P P P S T A P A A V N S I S A S A D K P L S H H K I L T L G K L S R N K D E V K A M I E K L G G K L T	humanPARP1	420
100	- - - - -	humanPARP2	- - -
18	T E G P - - - -	humanPARP3	- - -
11	T E G S - - - -	murinePARP	- - -
		Majority	
430	440	450	460
421	G T A N K A S L C I S T K K E V E K H N K K M E E V K E A N I R V V S E D F L Q D Y S A S T K S L Q E L F L H I L S P	humanPARP1	480
100	- - - - -	humanPARP2	- - -
22	- - - - - E K K K G R Q A Q R E E D P P R S T A E A L - -	humanPARP3	- - -
15	- - - - - K K Q R Q O O T E E E D S F R S T A E A L - -	murinePARP	- - -
		Majority	
490	500	510	520
481	W G A E V K A E P V E V V A P R G K S G A A L S K S K G Q V K E E G I N K S E K R M K L T L K G G A N V D P D S G L E	humanPARP1	540
100	- - - - -	humanPARP2	- - -
44	- K A I P A E K R I I R V D P T C P L S S H P G T O V Y E D - -	humanPARP3	- - -
15	- R A A P A D H R V I R V D P S C P F S R N P G I Q V H E D - -	murinePARP	- - -
		Majority	
550	560	570	580
541	W S A H I V L E K G G K V F S A T L G L V D I V K G T N S Y Y K L Q U L E D D K E N R Y W I F R S S W O R V G T V I O S N K	humanPARP1	600
100	- - - - - D V Y D V M L N O T N L U O P N N N K Y Y L Q U L E D D A Q R N P S V W M R W O R V G K M - G Q H S	humanPARP2	- - -
73	- - - - - Y N C T L N Q T N I E N N N K P Y I Q U L Q D S N - R P F T C W N R W G R V G E - V G Q S K	humanPARP3	- - -
64	- - - - - Y D C T L N Q T N I E N N N K F Y I Q U L L E D D X - R F F X C W N R W G R V G E - V G Q S K	murinePARP	- - -

Fig. 1(2)

0050/49100/49790

3/7

L N H F T X - L E D A K E D F X K K F X E R T K N N W E E R D X F U V X X P G K Y T T L E V U Y - x x x E D E U V V K - Majority

610 620 630 640 650 660

601 L E Q H P S K - E D A I E H F H K L Y E E K T G N A W H S K N - F T K Y P K K P Y P L E I D Y G - - Q D E E A V K K - humanPARP1
149 L V A C S G H L N K A K E I P Q K F L D K T K N N W E D R E K F E K V P Q K Y D N Q M D Y T Q D E E T K K E humanPARP2
119 I N H P T R - L E D A K K D P E K K F R E K T K N N W A E R D H P V S H P Q K Y T L I E V Q - - A E D E A Q E A V V K - humanPARP3
109 H N H F T C - L E D A K K D P E K K F W E K T K N K W E E R D R E F V A Q P N K Y T L I E V Q - - G E A E S Q E A V V K A murinePARP

- S L X V D X G P V S T V X X K R V Q P C S L D P A T O X L I T N I F S V E M P K N A M X L M X L D V K K M P L G K L S K Majority

670 680 690 700 710 720

655 - I, T V N P G T K S K L P K P V Q - - - - - D L I K X M I P D V E S H N K K A N V E Y E I D L Q K H P L G K L S K humanPARP1
209 E S L K S P L K P E S Q L D L R V Q - - - - - E L I K I P C I N V Q A M E F M M M E M K Y N T K K A P U G K L L T V humanPARP2
175 - - V D R G P V R T V T K R V Q P C S L D P A T O K L I T N I F S K E M P K N T M A L M D V K K M P L G K L S K humanPARP3
166 L S P Q V D S G P V R T V V K - - P C S L D P A T Q N L I T N I F S K E M P K N A M T L M N L D V K K N P L G K L T K murinePARP

0 Q I A A G F R A L E E A X X G T X G C Q S L E E L S S X P Y T V I P H D F G X S X P P L I N S P D X L Q A K K Majority

730 740 750 760 770 780

704 R O I Q A A Y S I L U S E V Q Q A V S Q O S S D S Q I L D - L S N R F Y T L I P H D P G N K K P P L L N N A D S V Q A K V humanPARP1
260 A Q I K A Q Y Q S L K K I E D C I R A G Q H G R A C N E - A C H E F Y T R I P H D P G L R T P P L I R T Q K E L S E K I humanPARP2
221 Q O I A R G F E A L E A L E E A L K G P P T D G Q Q S L E E L S S H P Y T V I P H N P O H S Q P P P I N S P E L L Q A K K humanPARP3
223 Q Q I A R G F E A L E A L E E A M K N P T G D G Q S L E E L S C F Y T V I P H N F G R S R P P I N S P D V L Q A K K murinePARP

D N L L V L A D I E L A Q X L Q A X X E X S X K V E E V P H P L D R D Y Q Q L L K C Q L Q L D S O S X E Y K V I Q T Y Majority

790 800 810 820 830 840

763 E H L D N L L D I E V A Y S L L R G G S D D S K - - - D P I D V N Y E K L K T D I K V V D R D S E E A E I I I R K Y humanPARP1
319 Q D L E A L G D I E I A I K L V K T B I L Q - S P E - - - H P D Q N Y R N L H C A L R P L D H E S Y G F K V I S O Y humanPARP2
291 D M L L V L A D I E L A Q A L Q A V S - E Q E K T V E V P H P L D R D Y Q Q L L X C Q Q L L D S O A P E Y K V I Q T Y humanPARP3
283 D M L L V L A D I E L A Q T L Q A A P C E E E K V E E V P H P L D R D Y Q Q L L R C Q Q L L D S O E S E Y K A I Q T Y murinePARP

L K Q T G A X T H C P Y - - T L X D I P K V E R E G G X D R F Q A H S K I O N R R L L W H Q S N H A V V V A Q I L S S G L Majority

850 860 870 880 890 900

818 V K N T H A T T H A Y D U L E V I D I F K I E R E G E C Q R Y K P P K Q U H N R R L W H Q S R T T N F A O I L S Q O L humanPARP1
373 L Q S T H A P T H S D Y T M T L L D I P E V E K D G E K E A F R - - E D L H N R M L W H G S R M S N W V Q I L S H G L humanPARP2
350 L E Q T G S N H R C P - - - T L Q H I W K V N D E O E D R P O A H S K L Q N R K L W H G T N N A V V A I U T S Q L humanPARP3
343 L K O T G N S Y R C P - - - N L R H V W K V N R E G E G D R P O A H S K L Q N R R L L W H G T N V A V V A I L T S G L murinePARP

Fig. 1(3)

0050/49100/49790

Fig. 1(4)

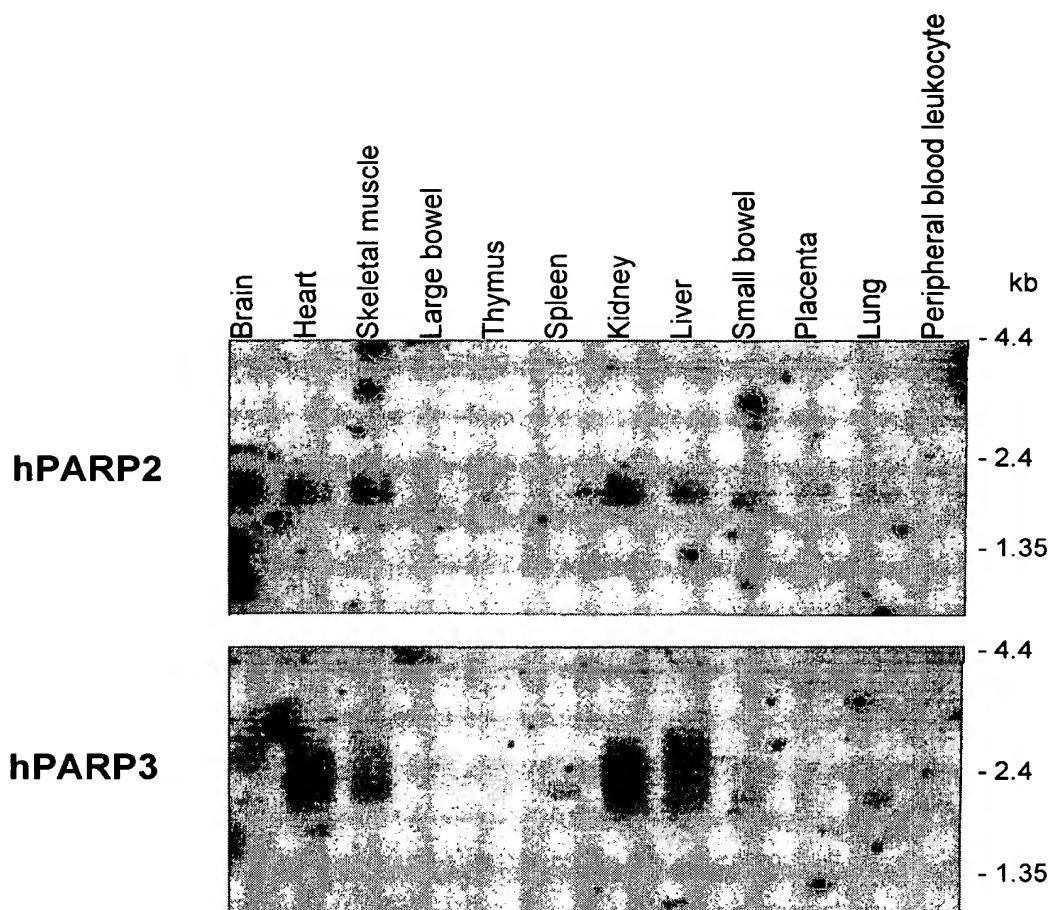


Fig. 2

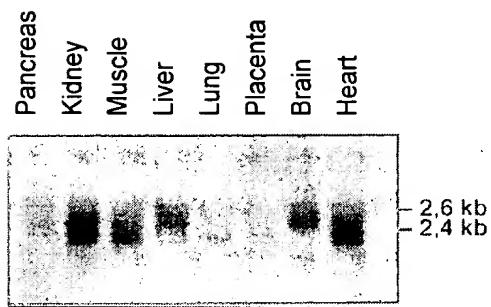
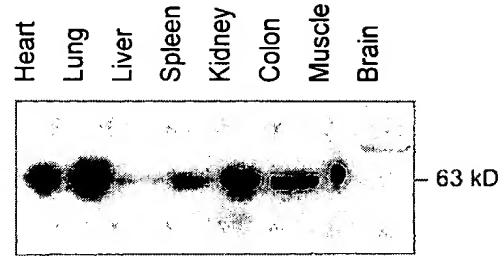
Northern Blot Analysis
Human PARP3 Tissue DistributionWestern Blot Analysis
PARP3 Tissue Distribution

Fig. 3

Fig. 4

6/7

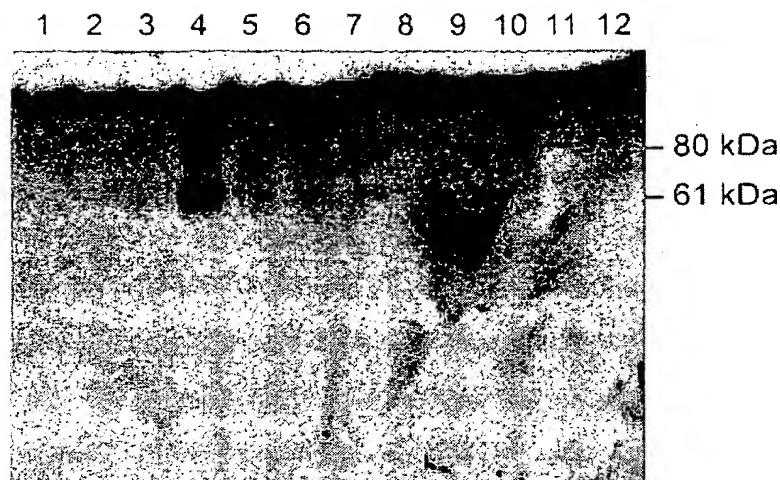


Fig. 5

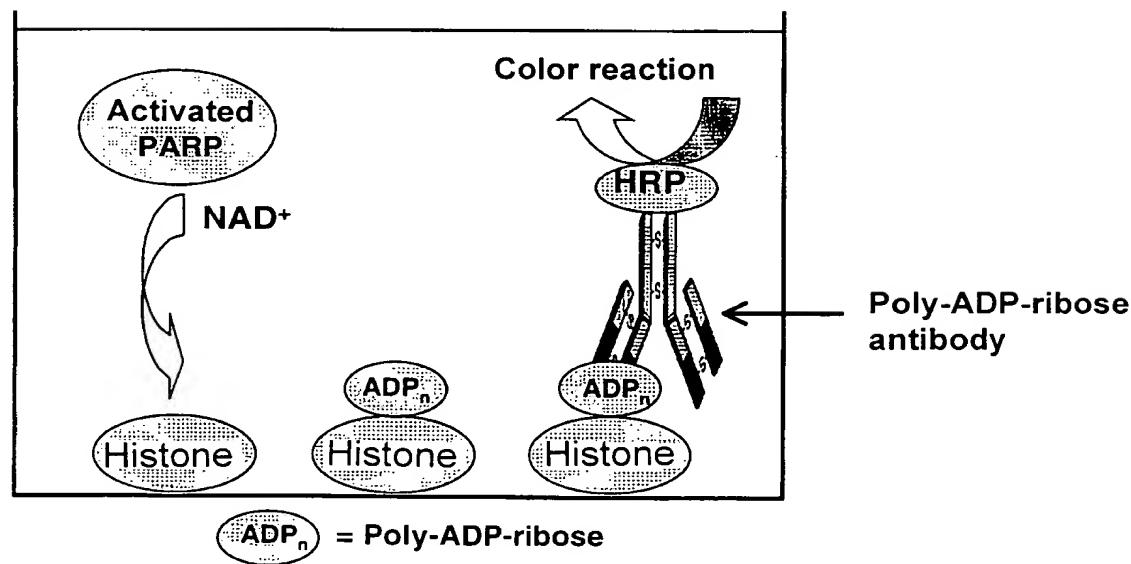


Fig. 6

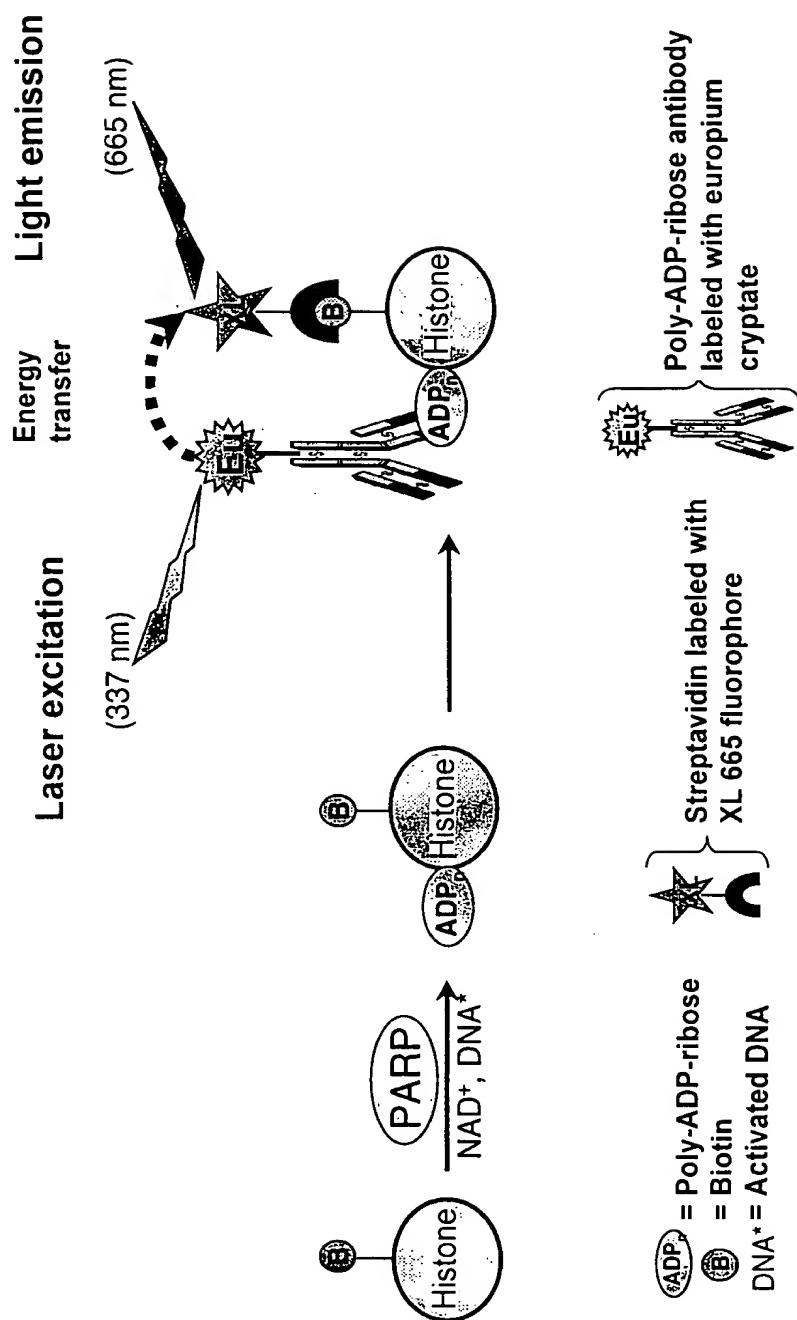


Fig. 7